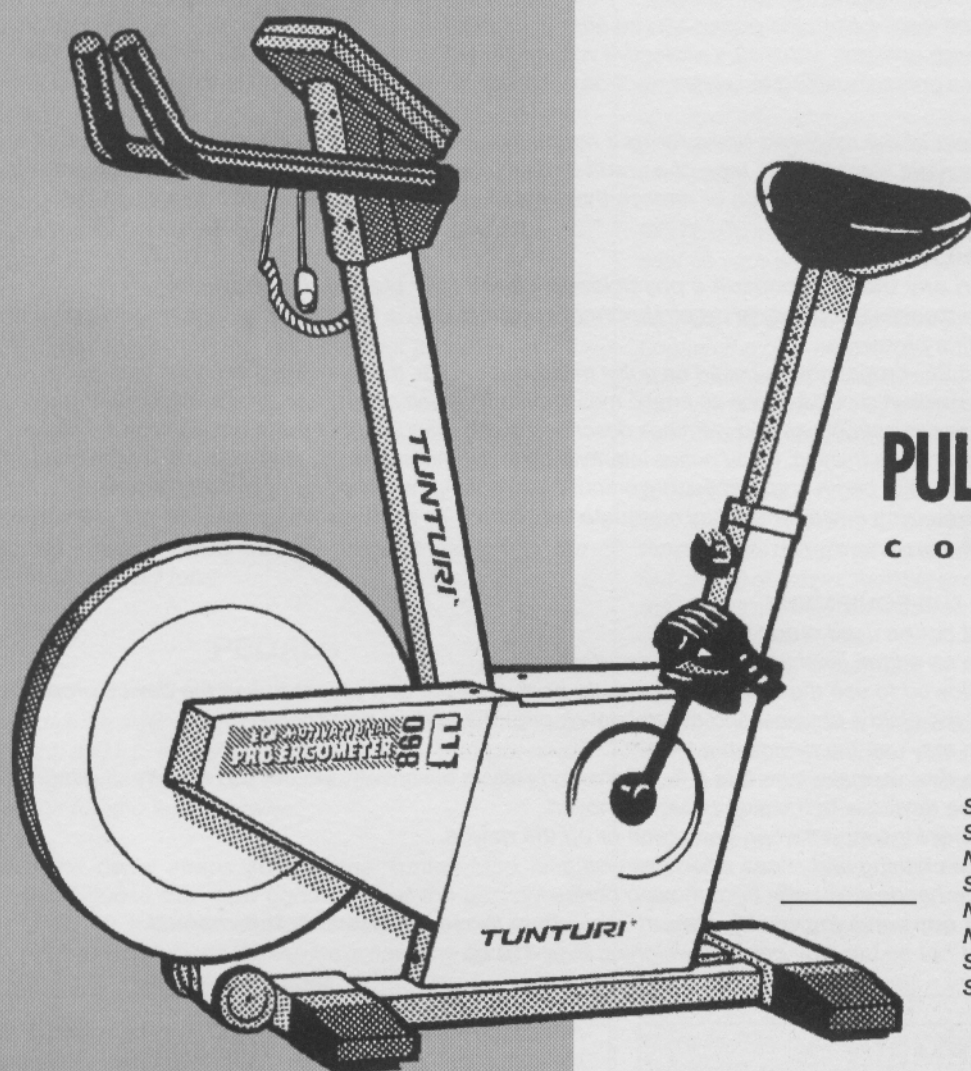


# ECB PULSE CONTROLLED PRO ERGOMETER E 860

|     |                    |       |
|-----|--------------------|-------|
| GB  | OWNER'S MANUAL     | 2-8   |
| D   | BETRIEBSANLEITUNG  | 9-15  |
| F   | MODE D'EMPLOI      | 16-22 |
| NL  | GEBRUIKSAANWIJZING | 23-29 |
| I   | MANUALE D'USO      | 30-35 |
| E   | MANUAL DEL USUARIO | 36-42 |
| S   | BRUKSANVISNING     | 43-49 |
| FIN | KÄYTTÖOHJE         | 50-56 |



**PULSE-WATT**  
c o n t r o l

SERIAL NUMBER  
SERIENNUMMER  
NUMERO DE SERIE  
SERIENUMMER  
NUMERO DI SERIE  
NUMERO DE SERIE  
SERIENNUMMER  
SARJANUMERO

583 5005 C

**TUNTURI**<sup>®</sup>  
THE MOTOR - *it's you.*

## REMARKS AND WARNINGS

**PLEASE READ THIS OWNER'S MANUAL THROUGH CAREFULLY BEFORE ASSEMBLING, USING AND SERVICING THE ERGOMETER! FOLLOW THE INSTRUCTIONS DESCRIBED IN THIS MANUAL CAREFULLY.**

**THE EQUIPMENT IS ALLOWED FOR USE AT HOME, IN THE GYM AND IN INSTITUTIONAL REHABILITATION. PLEASE NOTE THAT THE WARRANTY DOES NOT COVER DAMAGE DUE TO NEGLIGENCE OF ASSEMBLY, ADJUSTMENT OR MAINTENANCE INSTRUCTIONS DESCRIBED IN THIS MANUAL.**

### NOTE ABOUT THE EQUIPMENT

- \* **Before connecting the device to a power source make sure the voltage is correct. The voltage is marked on the step-down transformer (either 230 V or 115 V depending on the version). Do not connect the device directly to the mains supply.**
- \* **The device may only be plugged into an earthed socket. Never use extension cords between the equipment and the wall outlet.**
- \* The device must always be unplugged during any assembly or service work.
- \* Check the transformer for the correct voltage.
- \* Always unplug the device from the power source after you have finished your workout.
- \* Although the device operates with a 12 V protective voltage all service and repair work are recommended to be carried out by a person qualified to service electromechanical appliances according to the legislation of your country.
- \* The magnet caliper of the magnetic brake forms a magnetic field which may damage the mechanism of a watch or the magnetic identification tape of a credit or cash card if they come into immediate contact with the magnets. Never attempt to detach or remove the magnet caliper of the magnetic brake.

### NOTE ABOUT YOUR HEALTH

- \* **Before you start any training, consult a physician to check your state of health.**
- \* If you experience nausea, dizziness or other abnormal symptoms while exercising, stop your workout at once and consult a physician.
- \* The TARGET PULSE -programme is based on pulse measurement, i.e. the device regulates the resistance according to the measured pulse. Since an erratic measurement can cause a risk to the user it is most important to follow the instructions and warnings described in this manual about pulse measurement. Follow your pulse also during the training. If you notice interference in the measurement, stop your workout at once.
- \* To avoid muscular pain, begin and end each workout by stretching, warming up and cooling down.
- \* Make sure the exercising environment has adequate ventilation. To avoid catching cold, do not exercise in a draughty place.

### NOTE ABOUT USING THE EQUIPMENT

- \* The device must not be used outdoors.
- \* Place the device on a firm, level and protected surface.
- \* If children are allowed to use the device, they should be supervised and taught to use the device properly, keeping in mind the child's physical and mental development and their personality.
- \* Only one person may use the device at a time.
- \* Before using the device, make sure that it functions correctly in every way. Do not use a faulty device.
- \* Never operate the device with the side covers removed.
- \* Hold the handlebar for support when getting on or off the device.
- \* Wear appropriate clothing and shoes when exercising.
- \* Always keep your hands well away from moving parts.
- \* **Do not attempt any servicing or adjustment other than those described in this manual.**
- \* The device must not be used by persons weighing over 110 kg.

## ASSEMBLY

Insure all parts are present (fig. 1):

1. Main assembly
2. Front and rear support legs
3. Handlebar support tube
4. Meter
5. Pedals (2)
6. Ear sensor and transmitter belt
7. Transformer (12 V)
8. Hard ware kit

If necessary, contact the dealer and give the model (E 860), serial number and spare part number of the missing part from the spare part list in the back of the manual.

The package includes a silicate bag for absorbing moisture during storage and transportation. Dispose of the bag when you have unpacked the equipment.

The assembly figures referred to in the text are in the back fold.

Left, right, front and rear are seen from the exercising position. Assemble the equipment as follows:

## SUPPORT LEGS

Lift the ergometer upright so that it rests on the rear part of the frame. Slip the front support leg through the front tube and fasten it with four securing screws (fig. 2). Fasten the rear support leg in the same way.

Fit the plastic cover of the unprotected end of the support leg and fasten it together with the foot pad. Do the same with the rear support leg (fig. 3).

## HANDLEBAR SUPPORT TUBE

Fit the handlebar support tube into its place.

**NOTE! Be careful not to damage the wires.**

Fit the bottom screw into place and tighten it (fig. 4). Plug the wires taped to the frame tube into the sockets at the lower end of the handlebar support tube (fig. 5).

After connecting the meter wires coming out of the handlebar support tube (both the pulse cable and the flat ribbon cable) and the wires attached to the frame, press the cables to the holder on the frame to protect the wires from possible damage when using, moving or storing the ergometer (fig. 5). Tuck the rest of the wires into the handlebar support tube.

Put a screw through the hole in the lower end of the seat frame tube, set a bushing on the screw and fasten it with a nut. The bushing is a stopper for the seat tube (fig. 5).

Lift the cycle back into the upright position.

## METER

Push the meter carefully into its place at the top of the handlebar support tube.

## PEDALS

The pedals are distinguished from each other by the markings R (= right) and L (= left) on their shafts. Fasten the right pedal to the right crank turning clockwise and the left pedal to the left crank turning anticlockwise.

Fasten the pedal straps so that the Tunturi-logo faces outward. Choose the strap tightness, set the appropriate strap hole on the retainer from below and pull forcibly upward. Especially when the device is new, the fastening of the strap may seem relatively tight.

## TRANSFORMER

Plug the transformer into the connector just above the rear support, in the center of the frame, and then to the wall socket.

**NOTE! Make sure that the wire does not run under the device.**

## USE

### SETTING THE SEAT HEIGHT AND INCLINATION

The seat height should be set so that the middle part of the foot reaches the pedal with the leg almost straight and the pedal at its lowest point. Set the seat height as follows:

1. Turn the locking knob once anticlockwise.
2. Pull the locking knob out so that the seat tube can be moved freely up and down.
3. When the height is right, let go of the knob. The seat locks into place.
4. Tighten the locking knob clockwise.

**NOTE!** Always make sure that the seat is fastened properly before starting to exercise. The scale on the seat tube helps you to find the seat height you have found suits you best.

The seat can be inclined forward or backward by turning the green adjustment ring below the seat. The seat inclines forward when the ring is turned to the right (anticlockwise) and back when the ring is turned to the left (clockwise). If during or after exercise you experience soreness or chaffing of the inner thighs, or numbness of the crotch, adjusting the seat angle may alleviate the problem.

**NOTE!** Do not adjust the seat inclination when sitting on the seat as your weight will prevent the ring from turning.

### ADJUSTING THE HANDLEBAR

Loosen the grey adjustment knob at the handlebar support tube and adjust the handlebar distance so that you can pedal with the arms almost straight in comfortable position. Retighten the adjustment knob.

### EXERCISING

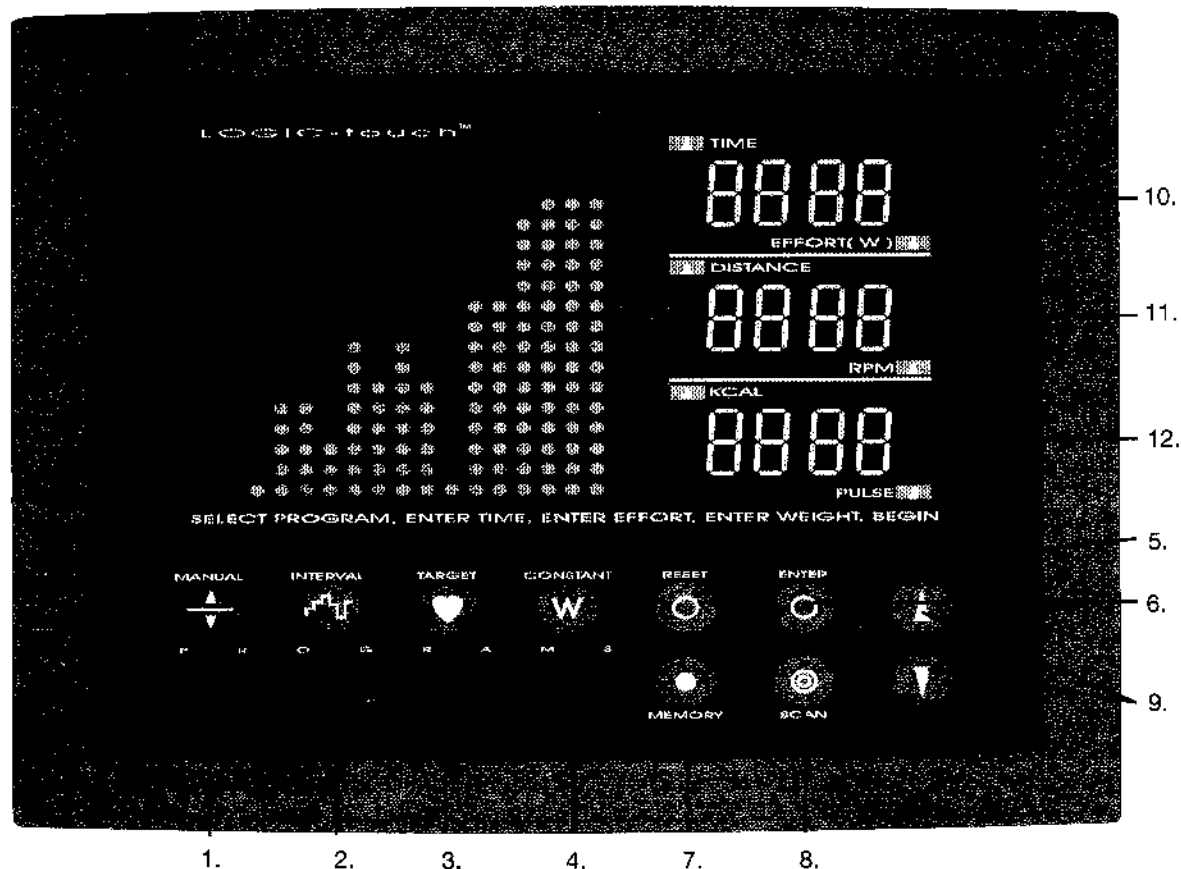
Working out with this device is excellent aerobic exercise, the principle being that the exercise should be suitably light, but of long duration. Aerobic exercise is based on improving the body's maximum oxygen uptake, which in turn improves endurance and fitness. The ability of the body to burn fat as a fuel is directly dependent on its oxygen-uptake capacity.

Aerobic exercise should be above all pleasant. You should work up a light sweat but you should not get out of breath during the workout. **You should exercise at least three times a week, 30 minutes at a time, to reach a basic fitness level.** Maintaining this level requires a few exercise sessions each week. Once the basic condition has been reached, it is easily improved, simply by increasing the number of exercise sessions.

You should start slowly at a low pedalling speed and low resistance, because for an overweight person strenuous exercise may subject the heart and circulatory system to excessive strain. As fitness improves, resistance and pedalling speed can be increased gradually.

## METER

## METER KEYS AND FUNCTIONS

**1. MANUAL**

Allows you to set your effort level with the arrow keys during the workout. These manually made programmes can be saved in the memory of the meter.

**2. INTERVAL**

This programme changes the effort levels during your workout. The display shows the programme and the changes in effort. You can choose a profile to your liking by pushing the INTERVAL button repeatedly.

**3. TARGET PULSE**

This programme allows you to preset your pulse level, i.e. the resistance is regulated so that your pulse remains at the requested level. If the pulse tends to rise, resistance is reduced automatically and vice versa. The set value can be changed also during the workout.

**4. CONSTANT EFFORT**

This programme allows you to preset your effort level (in watts), i.e. pedalling effort is independent of pedalling speed and remains exactly at the preset level. As the pedalling speed increases the resistance is reduced and vice versa. The set value can be changed also during the workout.

**5. RESET**

Resets all values.

**6. ENTER**

Approves set values and user parameters.

**7. MEMORY**

Saves and opens manual programmes (USR 1-4).

**8. SCAN**

By pressing the SCAN key the right-hand side displays automatically scan different values every 6 seconds. You can also switch off the scan function by pressing the SCAN key, if you want to follow only the effort, speed and pulse displays, for example.

**9. ARROW KEYS**

Used for setting values. In the manual function used for increasing or decreasing resistance.

**10. TIME/EFFORT**

This display alternates between elapsed time (countdown) and effort in watts (or effort level in INTERVAL programme).

**11. DISTANCE/RPM**

This display alternates between distance in km and speed in revolutions per minute (RPM).

**12. KCAL/PULSE**

This display alternates between approximate energy consumption in kilocalories and pulse. Since people's capacity to produce energy varies, the energy consumption display shows an approximation of the real consumption.

## OPERATING THE METER

**NOTE!** Protect the meter from direct sunlight, as it may damage the liquid crystal display. Do not expose the meter to water or severe impacts, as these may also damage the meter.

The meter switches on automatically when the cycle is connected to the power source. The display gives out a short beep after which all the functions are at zero.

If you do not press a key, or pedal for more than 5 minutes, the meter automatically switches off.

**NOTE!** When the chosen workout time has elapsed, the meter will maintain the effort level and continues counting the training values, so you can continue your workout without stopping if you wish.

### MANUAL FUNCTION

1. Select the manual function by pressing the **MANUAL** key after the meter has been switched on or after pressing the **RESET** key. You can change your programme selection any time before you press **ENTER**. Press **ENTER**.
2. The **TIME** display in the upper right-hand corner of the display will start to flash. Choose the desired duration of workout by using the arrow keys. (1-90 minutes in steps of 5 minutes). Press **ENTER**.
3. The weight display in the lower right-hand corner starts to flash. The left-hand side display reads **KG ->**. Enter your weight (default value 70 kg). Press **ENTER**.
4. Begin your workout. You can adjust the effort level with the arrow keys, and the column of dots in the left-hand display indicate the chosen effort level.

Manually made programmes can be saved in the memory of the meter.

### INTERVAL PROGRAMME

1. Select the **INTERVAL** programme by pressing the **INTERVAL** key after the meter has been switched on or after pressing the **RESET** key. You can change your programme selection any time before you press **ENTER**. Press **ENTER**. The various effort levels are indicated by green dots on the display on the left. By pressing the **INTERVAL** key repeatedly you get the display to show different effort profiles and you can choose the one best suited for you by pressing **ENTER**.
2. The **TIME** display in the upper right-hand corner of the display will start to flash. Choose the desired duration of workout by using the arrow keys. Press **ENTER**. The device uses this value to calculate the duration of the different effort levels during the programme.

3. The **EFFORT** display in the meter's upper right-hand corner starts to flash. Select the desired effort level, from 1 up to 9 (default value 5). If you are just beginning, choose a low effort level from 1 to 5. If you are very fit, select a high effort level from 6 to 9. Press **ENTER**. You can change your effort level during the workout with the arrow keys.
4. The weight display in the lower right-hand corner starts to flash. The left-hand side display reads **KG ->**. Enter your weight (default value 70 kg). Press **ENTER**.
5. Begin your workout.

The flashing dot in the left-hand display shows the present effort level in the workout programme.

### TARGET PULSE PROGRAMME

Exercise in different pulse ranges affects the body in different ways. For example, exercise of long duration within a pulse range that is about 50-60 % of the maximum pulse burns fat, or helps you lose weight, whereas exercise in a range that is about 70-80 % of the maximum develops the heart and respiratory system, and overall endurance, i.e. it improves your condition. If you don't know your own maximum pulse rate you can use the following formulas as a guideline:

**WOMEN: 226 - AGE**

**MEN: 220 - AGE**

However, it is advisable to make sure by consulting your doctor.

The **TARGET PULSE** programme enables training at the requested pulse level. The programme requires measurement of pulse. It is recommended to use the telemetric measurement system instead of the ear pulse measurement.

1. Select the **TARGET PULSE** programme by pressing **TARGET** after the meter has been switched on or after pressing **RESET**.
2. The **PULSE** display in the lower right-hand corner of the display will start to flash. Set the desired pulse value (beats/min) by using the arrow keys. Press **ENTER**. **NOTE!** The preset value can be changed during the training.
3. The **TIME** display in the upper right-hand corner of the display will start to flash. Choose the desired duration of workout by using the arrow keys. (1-90 minutes in steps of 5 minutes). Press **ENTER**.
4. The weight display in the lower right-hand corner starts to flash. The left-hand side display reads **KG ->**. Enter your weight (default value 70 kg). Press **ENTER**.
5. Begin your workout.

Follow your heart-rate during the training and especially the small light, the so called heart indicator next to the **PULSE** text. The light should flash in time with your heartbeat. If the indicator begins to function in a disturbing fashion (e.g.

additional beats or unnormal fluctuations), the pulse measurement is not functioning properly. Stop your workout at once and make sure that you have followed all the instructions described in this manual about heart-rate measurement.

If the pedalling effort seems too strenuous or easy, change the preset pulse value by using the arrow keys.

The flashing dot in the left-hand display shows the present effort level.

## CONSTANT EFFORT PROGRAMME

Exercising within a certain effort range affects the system in different ways, just as exercising within a certain pulse range does.

If you exercise at too low an effort level for your condition, you will not necessarily achieve the desired result even if you exercise regularly.

The CONSTANT EFFORT programme enables training at a certain effort level, e.g. at 100 watts.

1. Select the CONSTANT EFFORT programme by pressing the CONSTANT key after the meter has been switched on and after pressing the RESET key.
2. The EFFORT display in the upper right-hand corner of the display will start to flash. Set the desired effort value in watts by using the arrow keys. Press ENTER. **NOTE!** The preset effort value can be changed during the training.
3. The TIME display in the upper right-hand corner of the display will start to flash. Choose the desired duration of workout by using the arrow keys (1-90 minutes in steps of 5 minutes). Press ENTER.
4. The weight display in the lower right-hand corner starts to flash. The left-hand side display reads KG ->. Enter your weight (default value 70 kg). Press ENTER.
5. Begin your workout.

The pedalling effort is independent of pedalling speed and remains exactly at the preset level by means of the electronic control mechanism. As the pedalling speed increases the resistance is reduced and vice versa.

## MEMORY FUNCTION

The meter enables saving of 4 manually made programmes to its memory. The meter has four pre-programmed training programmes of different length and effort levels.

## SAVING THE PROGRAMMES

When you wish to save a manually made programme in the memory of the meter, press the MEMORY key after your workout session. The display in the lower right-hand corner reads USr 1 (= user 1). Choose the desired memory location (USr 1-4) by using the arrow keys. Press ENTER. Your programme is now saved in the memory of the meter.

## RUNNING THE PROGRAMMES

1. When you want to use an earlier saved programme, press the MEMORY key after the meter has been switched on or after pressing RESET.
2. Choose the desired programme with the arrow keys. Press ENTER.
3. The time display in the upper right-hand corner of the display will start to flash. Choose the desired duration of workout by using the arrow keys (1-90 minutes in steps of 5 minutes). Press ENTER.
4. The weight display in the lower right-hand corner starts to flash. The left-hand side display reads KG ->. Enter your weight (default value 70 kg). Press ENTER.
5. Begin your workout.

**NOTE!** If you wish, you can adjust the effort level with the arrow keys during the training. If you want to save these changes in the memory, press the MEMORY key after your workout and choose the desired memory location. Press ENTER.

## MEASURING HEART-RATE

Heart-rate can be measured either by using the ear pulse sensor or telemetrically. This device has a built in pulse receiver which is compatible with a POLAR telemetric pulse transmitter.

## EAR PULSE MEASUREMENT

Plug the wire of the ear pulse sensor into the socket at the bottom of the meter.

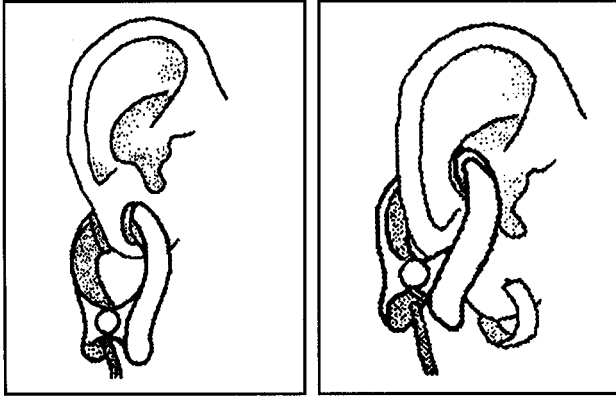
Attach the pulse sensor to the earlobe. As the blood pulsates in the small arteries of the ear, the light emitted from the sensor is cut off at every pulse. This signal shows as the pulse on the display.

As even small movements of the sensor or its wire may cause the pulse reading to fluctuate in a disturbing fashion, attach the sensor e.g. to the collar with the clip provided. Make sure that the wire from the earlobe to the clip is not too long or short, so that the sensor stays firmly in its place.

The special form of the Tunturi pulse sensor enables also pulse measurement from inside the earlobe, e.g. in case of poor blood circulation, small size of the earlobe or if the earlobe has become very cartilaginous after piercing.

The pulse value is displayed in the lower right-hand display of the meter. Follow your pulse during the training and especially the heart indicator light next to the PULSE text. The light should flash in time with your heartbeat.





### NOTE WHEN MEASURING YOUR PULSE

If the sensor does not immediately start measuring your pulse or if the earlobe is cold, rub the earlobe with the fingers to speed up circulation.

Physiological differences between different people, such as poor circulation in the earlobe, size of the earlobe or cartilage may also cause disturbances in measuring the pulse. Try to measure pulse from inside the earlobe or from your finger tip.

If the pulse measurement seem to function erratically during the training, stop pedalling and try the measurement when sitting still. Sometimes strong, often unintended movement or swinging of the user during the training may cause interference to the measurement.

A strong light source, e.g. a fluorescent lamp, next to the user can cause interference to the measurement. Check the pulse measurement by turning the ear sensor the other way round.

Wipe the sensor after use with a damp cloth. Do not use solvents.

### TELEMETRIC HEART-RATE MEASUREMENT

More reliable measurement is achieved with a telemetric device, in which the electrodes of the transmitter fastened to the chest transmit the pulses from the heart to the meter by means of an electromagnetic field.

**NOTE! IF YOU HAVE A HEART PACEMAKER, YOU MAY USE THE PULSE MEASUREMENT TRANSMITTER ONLY ON A PHYSICIAN'S APPROVAL!**

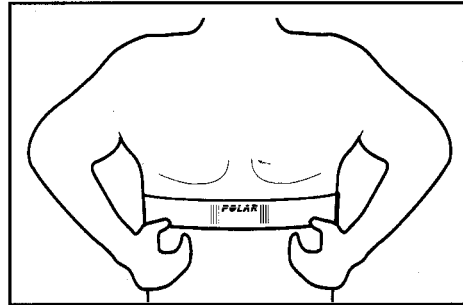
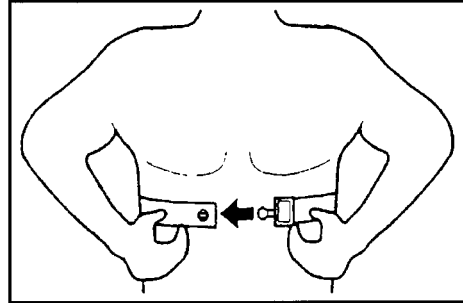
If you want to measure your heart-rate this way during your workout, moisten the grooved electrodes on the transmitter belt with saliva or water.

Fasten the transmitter just below the chest with the elastic belt, firmly enough so that the electrodes remain in contact with the skin while pedalling, but not so tight that normal breathing is prevented. If you wear the transmitter and belt over a light shirt, moisten the shirt slightly at the points where the electrodes touch the shirt.

The transmitter automatically transmits the heart-rate reading to the meter up to a distance of about 1 m.

The heart-rate value is displayed in the lower right-hand display of the meter. Follow your heart-rate during the

training and especially the heart indicator light next to the PULSE text. The light should flash in time with your heartbeat.



### REMARKS ON TELEMETRIC MEASUREMENT

If the electrode surfaces are not moist, the heart-rate reading will not appear on the display. If the electrodes are dry, they must be moistened again. Allow the electrodes to warm up properly to ensure accurate heart-rate measurement.

If there are several telemetric heart-rate measurement devices next to each other, the distance between them should be at least 1.5 m. Similarly, if there is only one receiver and several transmitters in use, only one person with a transmitter should be within transmission range.

The transmitter is switched to an active state only when it is being used for measurement. Sweat and other moisture can, however, keep the transmitter in an active state and waste battery energy. Therefore it is important to dry the electrodes carefully after use.

To prevent any extra pulses coming from the ear sensor, unplug the ear sensor when you use the telemetric heart-rate meter.

### MAINTENANCE

The E 860 requires very little maintenance. Check, however, from time to time that all screws and nuts are tight. Clean the cycle with a damp cloth. Do not use solvents.

In spite of continuous quality control, individual defects and malfunctions may occur due to individual components. It is in most cases unnecessary to take the whole cycle for repair, as it is usually sufficient to replace the defective part.

**If you notice a malfunction during use, contact the dealer. Always give the model and serial number of your device. Please state also the nature of the problem, conditions of use and purchase date.**

## ADJUSTING THE CHAIN

The E 860 is designed to minimize the need to adjust the chain, since the flywheel cannot move in relation to the chain. Therefore, the chain only need to be adjusted when it has loosened as a result of wear due to use. The wearing is, however, only theoretic as the fitness devices are mainly used indoors.

The adjustment is carried out from the freewheel hub as follows: remove the top cover and loosen the screw above the hub in the frame with a 19 mm box spanner. Slip an Allen wrench, screwdriver or other pin of suitable size into the groove of the cam part and rotate the cam anticlockwise until the chain is at the correct tightness, that is, when it can be moved freely about 5 mm up or down as its centre point. Tighten the screw above the hub and replace the housing.

## TRANSPORT AND STORAGE

The device is easily moved by wheeling it on the transportation wheels. Remember to unplug the transformer from the power source and from the connector before moving the cycle.

To prevent malfunctioning of the device, store it in a dry place with as little temperature variation as possible, protected against dust.

## DIMENSIONS

|        |        |        |        |
|--------|--------|--------|--------|
| Length | 108 cm | Height | 113 cm |
| Width  | 53 cm  | Weight | 69 kg  |

All Tunturi models are designed to meet the electro-magnetic compatibility directive, EMC and are affixed with the CE conformity marking.

**NOTE!** The instructions must be followed carefully in the assembly, use and maintenance of your equipment. The warranty does not cover damage due to negligence of the assembly, adjustment and maintenance instructions described herein. Changes or modifications not expressly approved by Tunturi Oy Ltd will void the user's authority to operate the equipment!

**Due to continuous programme of product development we reserve the right to change specifications without notice.**





**Ref.no. Part no.**

|     |                  |     |
|-----|------------------|-----|
| 1   | 213 1002         | A   |
|     | (+ 2)            |     |
| 2   | 533 7039         | A   |
| 3   | 203 1014         | C   |
|     | (+ 1, 2, 9)      |     |
| 4   | 233 5004         | D   |
|     | (+ 5,6)          |     |
| 5   | 233 1032         | A   |
| 6   | 233 0022         | D   |
| 7   | 533 1019         | A/C |
| 8   | 72 0816 210      | C   |
| 9   | 513 204 82       | C   |
| 10  | 72 1015 90       | C   |
| 11  | M8x75 DIN 603    | C   |
| 12  | M3,5x13DIN7504NC |     |
| 13  | 173 1014         | A   |
| 14  | 4,8x16 DIN 7981  | C   |
| 15  | M5x10 DIN 7500C  | C   |
| 16  | 203 1016         | C   |
| 17  | 403 1028         | D   |
|     | (+17a,b,d,f,g,h) |     |
| 17c | 403 1025         | D   |
| 17e | 403 1026         | C   |
| 18  | 173 1013         | A   |
| 19  | 533 1005         | A   |
| 20  | 303 1009         | C   |
|     | (+ 21)           |     |
| -   | 303 1012         | A/C |
|     | (+19-23,27)      |     |
| 21  | 343 1004         | C   |
| 22  | 263 1004         | C   |
| 23  | 263 5009         | C   |
|     | (+ 22)           |     |
| 24  | 523 2011         | A/C |
| 25  | 17 DIN 471A      | C   |
| 26  | M6x16 DIN 912    | C   |
| 27  | 673 1003         | C   |
| 31  | 373 5012         | A/C |
| 32  | 643 1001         | C   |
| 33  | M8 DIN 985       | A/C |
| 34  | 533 0005         | A   |
| 35  | 673 200 88       | C   |
| 36  | 653 1002         | C   |
| 37  | 643 1002         | C   |
| 38  | M6 DIN 125       | C   |
| 39* | M6 DIN 985       | A/C |
| 40  | M5x12 DIN 965    | C   |
| 41  | 173 1004         | C   |
| 42  | 533 1012         | A   |
| 43  | M5x6 DIN 7500 C  | C   |
| 44  | 423 5027         | E   |
|     | (+ 44a, 44b)     |     |

**Ref.no. Part no.**

|     |                 |     |
|-----|-----------------|-----|
| 45  | 143 5003        | A   |
| 46  | 143 506 84      | A   |
| 47  | M8x60 DIN 933   | C   |
| 48  | 652 133 74      | C   |
| 49  | 72 0815 410 1   | C   |
| 50  | 521 103 60      | A   |
| 53  | M5x16 DIN 912   | C   |
| 54  | M5 DIN 9012     | C   |
| 61  | 533 1025        | A   |
| 62  | 523 409 85      | C   |
| 63  | 523 1011        | C   |
| 64* | M10 DIN 1441    | C   |
| 65* | M10x45 DIN 933  | C   |
| 66  | 403 1038        | D   |
|     | (+ 128)         |     |
| 72  | 403 1036        | C/D |
|     | (+ 66,127,131)  |     |
| 79  | 173 1001        | A   |
| 80* | 533 507 82      | A   |
| 81* | 653 236 86      | C   |
| 82* | M6x20 DIN 966   | C   |
| 83  | 103 1001        | C   |
| 84* | M8 DIN 125      | C   |
| 85* | M8x16 DIN 933   | C   |
| 86  | 403 7008        | D   |
|     | (230 V)         |     |
| -   | 403 7009        | D   |
|     | (GB 230 V)      |     |
| -   | 403 7010        | D   |
|     | (USA 110 V)     |     |
| 87  | 103 1015        | C   |
| 88  | 651 900 70      | C   |
| 89  | 653 133 74      | A/C |
| 90  | 4,2x19DIN7983A4 | C   |
| 91* | M6x16 DIN 933   | C   |
| 92  | 533 5020        | E   |
| 93  | 653 5032        | C   |
| 94  | 653 1005        | C   |
| 95  | 533 0008        | A/C |
| 96  | 533 1038        | A   |
| 97  | 533 1035        | A   |
| 98  | 533 156 85      | C   |
| 99  | 153 1015        | C   |
|     | (+ 133)         |     |
| 100 | 343 5007        | C   |
| 101 | 252 958 37      | C   |
| 102 | 353 1008 1 R    | C   |
| -   | 353 1004 1 L    | C   |
| 103 | 653 0002        | A/C |
| 104 | 363 1002        | A   |
| 105 | 363 1001        | A/C |
|     | (+ 104)         |     |

**Ref.no. Part no.**

|      |               |     |
|------|---------------|-----|
| 106  | 533 5021      | A   |
| 107  | 533 4001      | A   |
| 108  | 173 1003      | C   |
| 109  | M6 DIN 127B   | C   |
| 110  | M8x20 DIN 912 | C   |
| 111  | M8 DIN 9021   | C   |
| 112  | 683 1001      | E   |
| 113  | 72 8012 602   | C   |
| 114  | 153 1006      | C   |
| 115  | 153 1009      | A   |
| 117  | 653 1008      | A/C |
| 120  | M4 DIN 9021   | C   |
| 122  | 153 1004      | A   |
| 123  | KB40x12WN1441 | C   |
| 124  | 653 1003      | C   |
| 125  | 533 156 85    | C   |
| 126* | 72 0612 100 1 | C   |
| 127  | 503 1018      | C   |
| 128  | 403 1043      | D   |
| 130* | M6x20 DIN 933 | C   |
| 131  | 173 5023      | C   |
| 132  | 533 1036      | A   |
| 133  | 423 1053      | A   |
|      | 553 5002      | A   |
|      | (+ *)         |     |
| -    | 556 0003      | A/C |
| -    | 553 100 88    | C   |
| -    | 553 0007      | C   |
| -    | 583 5005      | B   |

A = Plastic, Thermoplast  
Kunststoff, Thermoplast  
B = Paper, Carton  
Papier, Pappe  
C = Metal  
Metall  
D = Electronics  
Elektronik  
E = Other  
Sonstiges

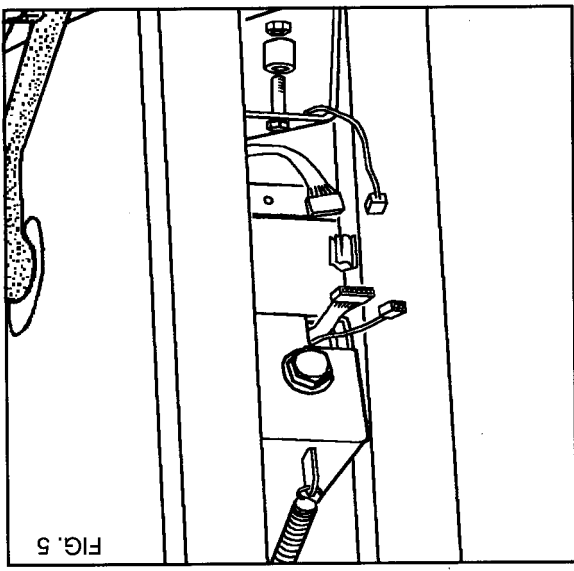


FIG. 5

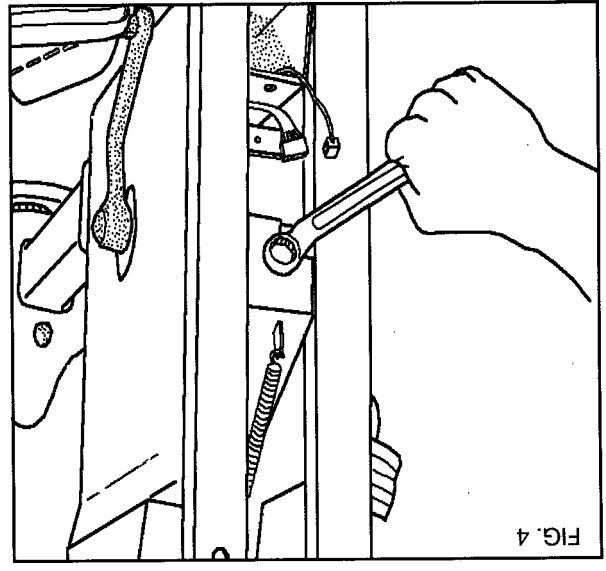


FIG. 4

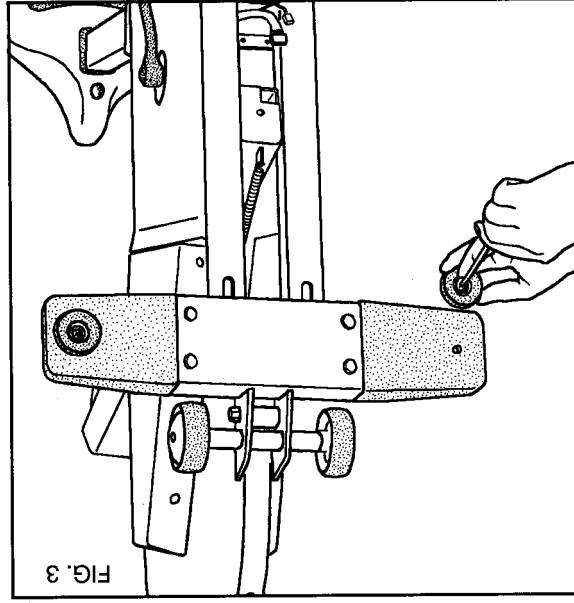


FIG. 3

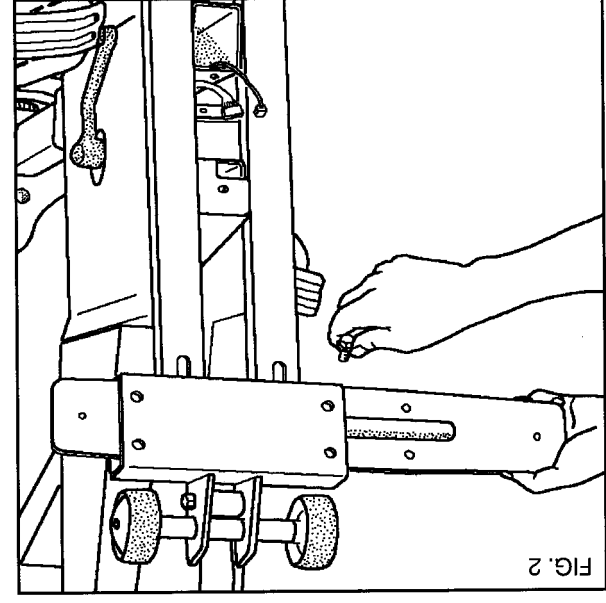


FIG. 2

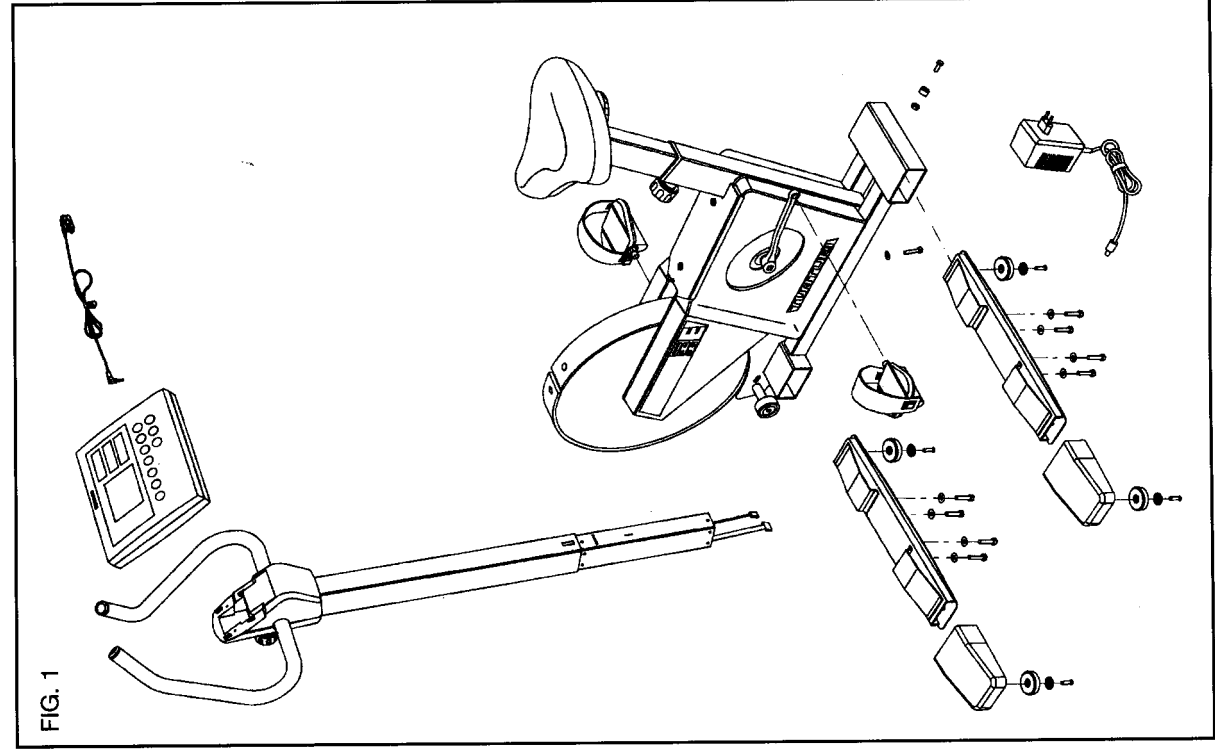


FIG. 1